

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	Examiner: <b>Walter Snow (Anticipated)</b>
	)	
Name <b>John E. Mercer et al</b>	)	Group Art Unit: <b>2862 (Anticipated)</b>
	)	
Serial No: <b>Not Yet Assigned</b>	)	Att. Docket No.: <b>DCI-8CIP1C2</b>
	)	
Filed: <b>July 7, 2003</b>	)	Date: <b>July 7, 2003</b>
	)	
For: TRACKING THE POSITIONAL RELATIONSHIP	)	
BETWEEN A BORING TOOL AND ONE OR	)	
MORE BURIED LINES USING A COMPOSITE	)	
MAGNETIC SIGNAL	)	

CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 7, 2003.

Signed: 

Jay R Beyer

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed are copies of Information Disclosure Citation Forms from the parent application Serial number 09/321,151 file on May 27, 1999, associated with this application. Copies of the references cited may be found in the parent application. It is respectfully requested that the cited documents be considered and that the enclosed copies of these forms be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

- ☒ 37 C.F.R. §1.97(b).
- ☐ 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:
- ☐ A certification pursuant to 37 C.F.R. §1.97(e) or
- ☐ A check for \$\_\_\_\_\_ for the fee under 37 C.F.R. § 1.17(p).
- ☐ 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:
- (1) A certification pursuant to 37 C.F.R. §1.97(e);
- (2) A petition requesting consideration of the Information Disclosure Statement; and
- (3) A check for \$\_\_\_\_\_ for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 19-1685 (Order No. DCI-8CIP1C2).

Respectfully submitted,



Jay R Beyer

Registration No. 39,907

## Form 1449 (Modified)

Information Disclosure  
Statement By Applicant

(Use Several Sheets if Necessary)

Atty Docket No.

DCI-P008CIP162

Applicants:

John E. Mercer et al

Filing Date

May 27, 1999 July 7, 2003

Serial No.:

~~09/321,151~~

Not Yet Assigned

Group

Not Yet Assigned

## U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub- class	Filing Date
<i>WJ</i>	A	4,875,014	10/17/89	Roberts et al			
<i>WJ</i>	B	3,862,499	1/28/75	Isham et al			
<i>WJ</i>	C	*5,337,002	8/9/94	Mercer			
<i>WJ</i>	D	*4,514,692	4/85	Johnson et al			
<i>WJ</i>	E	*4,881,083	11/89	Chau et al			
<i>WJ</i>	F	*4,972,703	11/90	Ho			
<i>WJ</i>	G	*5,084,678	1/92	Hutin			
<i>WJ</i>	H	*5,150,056	9/92	Wilcock			
<i>WJ</i>	I	*5,218,301	6/93	Kuckes			
<i>WJ</i>	J	*5,343,152	8/94	Kuckes			
<i>WJ</i>	K	*5,585,726	12/96	Chau			
<i>WJ</i>	L	*5,589,775	12/96	Kuckes			
<i>WJ</i>	M	*5,757,190	5/98	Mercer			

## Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub- class	Translation	
	N						Yes	No

## Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
<i>WJ</i>	O	Honeywell, One and Two Axis Magnetic Sensors, 2/97, Honeywell Brochure
	P	
	Q	
Examiner <i>WJ</i>	Date Considered 9/00	

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to applicant.

\*Copies of these references are not included since they were referenced in the Parent Application Serial Numbers 08/643,209 and 09/082,142.

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